Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

No: First and Part Bill (For Other Works) Date.....2020

Division: **Project** Sub-Division:

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Work Code: 007-17-000047**

Schedule Docket No. Head of Account: P3110 Est.Cost- **42.34 Lakhs**

Name of Work: **Construction and Improvements of Toilet in Ward No.07 Byatarayanapura**

Name of Contractor and Full Address: **M/s KRIDL**

Reference to Workorder No: **EE(Project)/Ynk Zone/WO/89/2018-19** Date: **05-03-2019**

Certified that the measurements were taken by me on 30/6/22 and recorded of Pages 63754 2 of 63757 1

measurement Book No. 21/20-21 and that the work is satisfactorily executed.

EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 056

Contractor

Officer-in-charge of work

Certified that the measurements were taken by me on ..... 30/06/2022 and found correct. The work is satisfactorily executed

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office. K. Nanjunda 30/06/2022

Sub-Division Officer

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	BA 3726700-00
2)	Deduct amount to be held in reserve being .....percent Rs.....	Tif 66600-00
3)	" Balance	EMT 30600-00
4)	Deduct Payment:	Sam 30600-00
a)	Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... towards cash advance recovery of — Amount adjusted	FSD 171300-00
b)	Payments Now made: cost store or other material supplied.	CSF 3500-00
	recovery of amount creditable to this/other work	Secf 34300-00
	Amount paid on this bill Cheque / Cash.	HQ 21900-00
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments. — unadjustments items.	360800-00
7)	Net amount due to or from Contractor	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied. — Total amount adjusted -	3059900-00

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands) (For use in the Office)

Witness

1.

2.

Dated

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 056

Stamp P 3110

Head of Account.....

Audited & admitted for Rs. 3426700

.....

3059900-00

.....by Cheque

and Rs. 360800-00 by Adjustment

EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 056

Executive Engineer

Asst. Clerk Project Division

Accl. Supdt. Project Division B.B.M.P.

Exe. Engineer Project Division B.B.M.P

BILL OF QUANTITIES

Sl. No.	Specifications	Unit	Approved BOQ Qty	Work Executed						
				Since Previous Bill		Present Bill			Upto Date Bill	
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount
1	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications and site engineer in incharge	Cum	85.76	-	-	85.76	322.49	27657.06	85.76	27657.06
2	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications and site engineer in incharge	Cum	3.38	-	-	3.38	2623.32	8866.82	3.38	8866.82
3	Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications and site engineer in incharge	Cum	12.53	-	-	12.53	5510.16	69060.90	12.53	69060.90
4	Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and site engineer in incharge	Cum	7.99	-	-	7.99	5855.76	46767.17	7.99	46767.17
5	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing complete as per specifications and site engineer in incharge	Cum	17.55	-	-	17.55	4963.68	87112.96	17.55	87112.96
6	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications and site engineer in incharge	Cum	43.27	-	-	43.27	217.08	9392.52	43.27	9392.52
7	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge	Cum	42.49	-	-	42.49	67.09	2850.87	42.49	2850.87
8	KSRB 5.4-4 : Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13 Pg No 25 item No 5.13	Cum	9.31	-	-	9.31	6485.40	60379.07	9.31	60379.07
9	KSRB 15.1.3 – do – Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	Sqm	37.24	-	-	37.24	153.36	5711.13	37.24	5711.13
10	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaiton and site engineer in incharge	Sqm	70.61	-	-	70.61	278.64	19674.21	70.61	19674.21
11	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons and site engineer in incharge	Sqm	31.10	-	-	31.10	386.64	12026.05	31.10	12026.05
12	Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton and site engineer in incharge	Sqm	21.96	-	-	21.96	492.48	10814.86	21.96	10814.86

SL No.	Specifications	Unit	Approved BOQ Qty	Since Previous Bill		Present Bill			Upto Date Bill	
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount
13	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons and site engineer in incharge	Sqm	39.26	-	-	39.26	315.36	12381.03	39.26	12381.03
14	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications and site engineer in incharge	Sqm	5.76	-	-	5.76	815.40	4694.26	5.76	4694.26
15	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 17, Item No 4.38	Sqm	2.76	-	-	2.76	561.60	1548.33	2.76	1548.33
16	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs and site engineer in incharge	Sqm	92.33	-	-	92.33	432.00	39886.56	92.33	39886.56
17	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications and site engineer in incharge	Cum	21.87	-	-	21.87	6276.96	137277.12	21.87	137277.12
18	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications and directions of the Engineer in charge. (Ground Floor)	Cum	2.91	-	-	2.91	6276.96	18260.30	2.91	18260.30
19	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25 complete as per specifications and site engineer in incharge	Cum	15.25	-	-	15.25	5936.76	90533.22	15.25	90533.22
20	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and site engineer in incharge	Cum	17.78	-	-	17.78	5754.24	102291.11	17.78	102291.11
21	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2	MT	5.60	-	-	5.60	76643.28	429301.30	5.60	429301.30

Sl No.	Specifications	Unit	Approved BOQ Qty	Work Executed						
				Since Previous Bill		Present Bill			Upto Date Bill	
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount
22	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc.,complete as per specifications and site engineer in incharge	Sqm	79.77	-	-	79.77	984.96	78573.71	79.77	78573.71
23	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications and site engineer in incharge	Sqm	97.51	-	-	97.51	875.88	85410.12	97.51	85410.12
24	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications and site engineer in incharge	Sqm	13.38	-	-	13.38	913.68	12227.78	13.38	12227.78
25	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and site engineer in incharge Ground Floor	Sqm	88.91	-	-	88.91	281.88	25060.54	88.91	25060.54
26	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and site engineer in incharge First floor	Sqm	26.77	-	-	26.77	294.84	7891.69	26.77	7891.69
27	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and site engineer in incharge	Sqm	45.63	-	-	45.63	220.32	10053.20	45.63	10053.20
28	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and site engineer in incharge	Sqm	45.50	-	-	45.50	243.00	11056.69	45.50	11056.69
29	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, incldng cost of materials, labour, curing complete as per specifications and site engineer in incharge	Sqm	194.02	-	-	194.02	238.68	46309.84	194.02	46309.84
30	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. complete as per specifications and site engineer in incharge	Sqm	91.13	-	-	91.13	84.24	7676.86	91.13	7676.86
31	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and site engineer in incharge	Sqm	45.50	-	-	45.50	97.20	4422.68	45.50	4422.68
32	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications and site engineer in incharge	Sqm	88.91	-	-	88.91	367.20	32645.92	88.91	32645.92

SL No.	Specifications	Unit	Approved BOQ Qty	Work Executed						
				Since Previous Bill		Present Bill			Upto Date Bill	
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount
33	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and site engineer in incharge First floor	Sqm	26.77	-	-	26.77	281.88	7544.80	26.77	7544.80
34	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications and site engineer in incharge	Sqm	39.26	-	-	39.26	681.48	26755.11	39.26	26755.11
35	Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications and site engineer in incharge	Sqm	39.26	-	-	39.26	1306.80	51305.36	39.26	51305.36
36	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications and site engineer in incharge	Sqm	144.16	-	-	144.16	1762.56	254095.23	144.16	254095.23
37	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification and site engineer in incharge	Sqm	16.91	-	-	16.91	1330.56	22503.76	16.91	22503.76
38	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame complete as per specifications and site engineer in incharge	Mtr	57.00	-	-	57.00	486.00	27702.00	57.00	27702.00
39	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot complete as per specifications and site engineer in incharge	Sqm	15.75	-	-	15.75	4104.00	64638.00	15.75	64638.00

SL No.	Specifications	Unit	Approved BOQ Qty	Since Previous Bill		Present Bill			Upto Date Bill	
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount
40	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved quality complete as per specifications and site engineer in incharge	Sqm	9.20	-	-	9.20	4830.84	44419.57	9.20	44419.57
41	M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications and site engineer in incharge	Kgs	193..1	-	-	193.10	102.60	19811.55	193.10	19811.55
42	Providing and fixing factory made Galvanized plain steel door shutters 32mm thick manufactured from pre painted galvanized plain steel sheet 0.60mm thick confirming to the IS:14246. The door shutters consists of two outer skins if steel sheets , lock seam jointed at vertical stile edges, horizontal top and bottom sides to form a double skin fully flush shell. Rigid polyyurethane Foam (PUF) of density 40 kg/m3 shall be filled in the hollow portion of door shutters for structure rigidly & sound insulation. The necessary stiffeners of the Galvanized plain steel sheet of minimum thickness 1.60mm to be provided for fixing all hardware fixtures. The rate is including transportation, loading, unloading, HOM etc. but excluding the hardware fixtures. Size 900 x 2035 x 32 mm complete as per specifications and site engineer in incharge	Sqm	5.36	-	-	5.36	2311.20	12376.48	5.36	12376.48
43	Providing and fixing factory made Galvanized plain steel door frame of profile size 125x60 mm single rebate manufactured from galvanized plain steel sheet 1.25mm thick, confirming to IS:277. The door frame consists of hinge jamb, lock jamb, head and bottom tie bars, supply in knockdown condition & to be assembeled at site by mechanical means with special mitre joint. The bottom tie bar made out of galvanized plain steel sheet 1.60mm thick pressed angle 20 x 20mm screwed to the door frame. The stiffness of 3mm thick MS GATE & pre-trapped are to be welded inside the pre-punched alots of the door frames & 4 nos. of S.S.butt hinges 100 x 59 2.5mm to be screwed to the door frame. The stiffeners & mortor guards to be provided for fixing hardware fixtures. The door frame to be powder coated after pre-treatment of the surface. The door frame shall be filled with 1:3:6 cement concrete & to be fixed with adjustable lugs/hold fasts. Alternatively, dry fixing shall be permitted by using metallic expansion bolt. The rate is including transportation, loading, unloading, HOM etc. but excluding the hardware fixtures. Size 1000 x 2130 mm Pg no:313.Item no: 38.49.1	Rmtr	17.70	-	-	17.70	588.60	10418.22	17.70	10418.22
44	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications and site engineer in incharge	Sqm	40.92	-	-	40.92	102.60	4197.88	40.92	4197.88

Sl. No.	Specifications	Unit	Approved BOQ Qty	Work Executed						
				Since Previous Bill		Present Bill			Upto Date Bill	
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount
45	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) complete as per specifications and site engineer in incharge	Cum	20.30	-	-	20.30	351.00	7126.70	20.30	7126.70
46	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc.,complete as per specifications and site engineer in incharge	Sqm	1.87	-	-	1.87	3252.96	6083.04	1.87	6083.04
47	Providing and fixing M.S.Grill over existing compound wall as per Chief Architect drawing No. 12686, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specifications and site engineer in incharge	Sqm	29.85	-	-	29.85	5827.68	173956.25	29.85	173956.25
48	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint,including cost of materials, labour, HOM complete as per specifications and site engineer in incharge	Sqm	20.33	-	-	20.33	772.20	15698.83	20.33	15698.83
49	Providing 20mm square M.S footrest and fixing in manhole Nos 232.00 with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications and site engineer in incharge	Nos	4.00	-	-	4.00	298.08	1192.32	4.00	1192.32
50	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification and site engineer in incharge	Sqm	118.25	-	-	118.25	568.08	67173.19	118.25	67173.19
51	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,all complete as per the specification and site engineer in incharge	Nos	51.00	-	-	51.00	440.64	22472.64	51.00	22472.64
52	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per the specification and site engineer in incharge	Sqm	9.04	-	-	9.04	86.40	781.06	9.04	781.06

Sl No.	Specifications	Unit	Approved BOQ Qty	Work Executed						
				Since Previous Bill		Present Bill			Upto Date Bill	
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount
53	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,complete as per the specification and site engineer in incharge. (Data Rate)	Sqm	20.34	-	-	20.34	2337.00	47534.58	20.34	47534.58
54	Submersible Single phase 4 inch/100mm for sump	Each	1.00	-	-	1.00	19579.00	19579.00	1.00	19579.00
55	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc(P.No - 47, I.No-9.4,PRED 12-13 SR)	Each	1.00	-	-	1.00	3768.00	3768.00	1.00	3768.00
56	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work .	Rmtr	50.00	-	-	50.00	347.00	17350.00	50.00	17350.00
57	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work .	Rmtr	50.00	-	-	50.00	442.00	22100.00	50.00	22100.00
58	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work .	Rmtr	50.00	-	-	50.00	456.00	22800.00	50.00	22800.00
59	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work .	Rmtr	48.00	-	-	48.00	536.00	25728.00	48.00	25728.00

SL No.	Specifications	Unit	Approved BOQ Qty	Work Executed						
				Since Previous Bill		Present Bill			Upto Date Bill	
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount
60	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes),with all lead and lift, loading, unloading and labour charges etc complete and as per the directions of the Engineer-in-charge.(P.No-111,I.No-84,PRED12-13 SR)	Rmtr	38.00	-	-	38.00	1364.75	51860.50	38.00	51860.50
61	Providing and fixing 250mm dia PVC Pipe and as per specification and directions.(BWSSB SR 13-14,P.No.53 I.No.1 of sl.no.11.)	Rmtr	18.00	-	-	18.00	1133.00	20394.00	18.00	20394.00
62	175mm dia M.S. Casing cap(P.No-111,I.No-85,PRED 12-13 SR)	Each	1.00	-	-	1.00	103.00	103.00	1.00	103.00
63	M.S. Casing pipe collars 'C' Class (P.No-111,I.No-86,PRED 12-13 SR)	Each	7.00	-	-	7.00	154.50	1081.50	7.00	1081.50
64	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work.(P.No-530,I.No-39b,BWSSB SR 13-14)	Sqcm	22000.00	-	-	22000.00	0.34	7477.80	22000.00	7477.80
65	Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete for basement out door type.(MR)	Nos	1.00	-	-	1.00	475.00	475.00	1.00	475.00
66	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc.,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work P No.32/I No 3b KPWD Electrical SR 2010-11	Nos	3.00	-	-	3.00	150.00	450.00	3.00	450.00
67	Supplying and laying of LT UG cable having aluminum conductor PVC insulated sheathed, galvanized, steel wire/steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554)(P.No - 553, I.No-10(d),BWSSB SR 13-14)	m	30.00	-	-	30.00	169.95	5098.50	30.00	5098.50
68	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete sutting road surfaces(P.No - 554, I.No - 12 (b),BWSSB SR 13-14)	m	25.00	-	-	25.00	85.00	2125.00	25.00	2125.00
69	Supplying and fixing of class A GI pipe on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm (P. No. 555, I. No - 15(b),BWSSB SR 13-14)	m	2.00	-	-	2.00	294.58	589.16	2.00	589.16
70	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia, (P No. 552, I No.- 7 , BWSSB SR 13-14)	Nos	1.00	-	-	1.00	2727.00	2727.00	1.00	2727.00
71	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class 16sqmmUG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.(P. No. 555 / I.No. 16(b),BWSSB SR 13-14)	Nos	1.00	-	-	1.00	280.00	280.00	1.00	280.00
72	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc.,Size 20 x 20 x 2.5 inches with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work(P.No - 521, I.No - 2 (f), BWSSB SR 13-14)	Nos	1.00	-	-	1.00	311.58	311.58	1.00	311.58
73	Borewell Cap and Clamp Set (PWD SR 2018-19, Page No. XLVII, Sl no. 17)	Set	1.00	-	-	1.00	1800.00	1800.00	1.00	1800.00

Sl No.	Specifications	Unit	Approved BOQ Qty	Work Executed						
				Since Previous Bill		Present Bill			Upto Date Bill	
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount
74	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 3 HP 20 stage	Nos	1.00	-	-	1.00	22582.00	22582.00	1.00	22582.00
75	KSRB13-3.1: Providing and fixing polyethylene pipes high density tubes 40mm external dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. (Page No. XVII, ITEM NO. 521)	m	152.00	-	-	152.00	172.00	26144.00	152.00	26144.00
76	Supplying of submersible pump cable 1X3X6 Sqmm (Page No. XLVII, Sl No.8,PWD SR 2018-19	m	198.00	-	-	198.00	144.00	28512.00	198.00	28512.00
77	Supplying & delivery at site brand new / Essen / lotus sunsines/Adarsh/Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph,50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz,380/440 AC supply shall be consisted etc., completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above Up to 10HP with star delta starter (MR) Page No.XLVII, Sl No.11, PWD SR 2018-19	Nos	1.00	-	-	1.00	10500.00	10500.00	1.00	10500.00
78	Supplying & delivery of brand 50mm Gate Valve. (PWD SR 18-19, P.No.XLVII Sl.no,15	Nos	1.00	-	-	1.00	1800.00	1800.00	1.00	1800.00
79	Supplying & delivery of brand 50mm Non Return Valve. (PWD SR 18-19, P.No.XLVII Sl.no,16)	Nos	1.00	-	-	1.00	1800.00	1800.00	1.00	1800.00
80	Supplying and fixing MCB (P.No-XLVII, Sl .No - 19, PWD SR 18-19)	Nos	1.00	-	-	1.00	900.00	900.00	1.00	900.00
81	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications(P.No - 6, I.No - 2.3, PWD SR 18-19)	Cum	11.25	-	-	11.25	316.94	3565.58	11.25	3565.58
82	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including joining of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.No - 94, I.No - 13.73.2,PWD SR 18-19)	m	25.00	-	-	25.00	394.32	9858.00	25.00	9858.00
83	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.No - 7, I.No - 2.11, PWD SR 18-19)	Cum	11.25	-	-	11.25	128.26	1442.93	11.25	1442.93
84	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet europeon type (pedestal type, p-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level,P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets , 40mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design,painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications. Specification no.KBS 11 page no 79 item No.12.5	Each	2.00	-	-	2.00	5352.48	10704.96	2.00	10704.96

Sl No.	Specifications	Unit	Approved BOQ Qty	Work Executed						
				Since Previous Bill		Present Bill			Upto Date Bill	
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount
85	KSRB 11.11.1 : Providing and fixing white vitreous china clay,flat back wash basin size 630x450mm with a Single 15mm C.P brass pillar taps with C.I / M.S brackets ,32mm C.P brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications. Specification No. KBS 11. page no 82 item No.12.23	Each	4.00	-	-	4.00	3400.92	13603.68	4.00	13603.68
86	KSRB 11-9.2 : Providing and fixing white vitreous china clay,flat back or half stall urinal basin of size 580x380x350mm in the range of two with 7.5 litres P.V.C automatic flushing cistern, C.I / M.S brackets ,standard flush pipe and C.P brass spreaders with brass unions and G.I clamps, C.I trap with outlet grating and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications.Specification No. KBS 11. page no 81 item No.12.16	Each	6.00	-	-	6.00	8718.84	52313.04	6.00	52313.04
87	KSRB 11.15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. page no 84 item No.12.41	Each	4.00	-	-	4.00	1226.88	4907.52	4.00	4907.52
88	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia.	Each	18.00	-	-	18.00	162.00	2916.00	18.00	2916.00
89	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe.	m	6.00	-	-	6.00	468.72	2812.32	6.00	2812.32
90	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe.	m	25.00	-	-	25.00	921.24	23031.00	25.00	23031.00
91	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 600x600mm. (P.No. 75/ I.No.11.50.2)	Nos	4.00	-	-	4.00	9169.20	36676.80	4.00	36676.80
92	KSRB-13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 Litre capacity) as per IS 12701 1996. Specification No. KBS 13.22 page no 96 item no 13.78	Each	2.00	-	-	2.00	7374.24	14748.48	2.00	14748.48
93	KSRB-13-6.1-2 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification no. KBS 13.2.2/ 13.3 page no 93 item no 13.24	Each	12.00	-	-	12.00	186.84	2242.08	12.00	2242.08
94	KSRB-13-6.2-2 : Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification no. KBS 13.2.2/ 13.3 page no 93 item no 13.27	Each	12.00	-	-	12.00	152.28	1827.36	12.00	1827.36
95	KSRB-13-6.3-2 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification no. KBS 13.2.6/ 13.3 page no 93 item no 13.33	Each	4.00	-	-	4.00	362.88	1451.52	4.00	1451.52

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				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount
96	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) page no 99 item no13.86.2 and 13.86.3 25mm nominal OD pipes	m	20.00	-	-	20.00	316.44	6328.80	20.00	6328.80
97	KSRB 11-1 : Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11	Each	6.00	-	-	6.00	3786.48	22718.88	6.00	22718.88
98	KSRB13-6.7-1 : Providing and fixing in position chromium plated brass shower rose with 15 or 20mm inlet 100mm dia including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.16 / 13.3	Each	2.00	-	-	2.00	763.56	1527.12	2.00	1527.12
99	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.	Point	20.00	-	-	20.00	200.00	4000.00	20.00	4000.00
100	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.	Rmtr	15.00	-	-	15.00	275.00	4125.00	15.00	4125.00
101	Concealed Conduit System - Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of unction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary	Rmtr	69.40	-	-	69.40	53.00	3678.20	69.40	3678.20
102	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.	Rmtr	67.95	-	-	67.95	51.00	3465.45	67.95	3465.45
103	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.	Rmtr	46.82	-	-	46.82	54.00	2528.28	46.82	2528.28
104	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due grove cutting in brick/stone/C.C wall	Each	16.00	-	-	16.00	95.00	1520.00	16.00	1520.00
105	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due grove cutting in brick/stone/C.C wall	Each	8.00	-	-	8.00	105.00	840.00	8.00	840.00

Sl No.	Specifications	Unit	BOQ Qty	Since Previous Bill		Present Bill			Upto Date	
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount
106	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654 .	Nos	3.00	-	-	3.00	132.00	396.00	3.00	396.00
107	Supplying and mounting 2 Nos, of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiring as per IS 1293	Each	4.00	-	-	4.00	150.00	600.00	4.00	600.00
108	Supply and fixing/replacing of 6/16/32Amps electrical accessories on existing Switch board	Nos	6.00	-	-	6.00	260.00	1560.00	6.00	1560.00
109	Electronic stepped regulator.	Nos	1.00	-	-	1.00	205.00	205.00	1.00	205.00
110	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments	Rmtr	90.00	-	-	90.00	20.05	1804.50	90.00	1804.50
111	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments	Rmtr	31.08	-	-	31.08	32.00	994.56	31.08	994.56
112	Suppiying and fixing of slim box Fitting ,made out of CRCA sheet metal body with locking type holder completely wired Excluding Ballast &Flouresent Tube. 1X4' Tube light Fitting	Nos	9.00	-	-	9.00	300.00	2700.00	9.00	2700.00
113	Supplying wall mounting fan suitable to operate at single-phase 230v A.C. supply.	Each	1.00	-	-	1.00	2600.00	2600.00	1.00	2600.00
114	Supplying of 1 X 4 feet -PVC Batten with integrated LED tube 20/22 W with high quality diffuser with life of 25000 burning hours and 70% lumen maintainence with CRI >80. Power Input : 220-240V @ 50/60 Hz and power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition	Each	3.00	-	-	3.00	375.00	1125.00	3.00	1125.00
125	BESCOM Charges	Nos	1.00	-	-	1.00	4501.00	4501.00	1.00	4501.00
	TOTAL				0.00			2953257.53		2953257.53
	Add GST 12% for SR Items				0.00			354390.90		354390.90
	TOTAL				0.00			3307648.43		3307648.43

Add 1c12122 4-1.

Assistant Engineer

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

Bill Copy

Asst. Executive Engineer

Executive Engineer

118130-00
3425779-00

118130-00
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BA - 2948905-00
12% 353868-00
4% 117956-00

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